Rec'd PCT/PTO 16 OCT 2006 PATENT COOPERATION TREATY

PCT 10/553318

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 17614.7-S1899-31-ne	FOR FURTHER ACTION	See item 4 below	
International application No. PCT/EP2004/003945	International filing date (day/month/year) 15 April 2004 (15.04.2004)	Priority date (day/month/year) 15 April 2003 (15.04.2003)	
International Patent Classification (8th See relevant information in Form F	n edition unless older edition indicated) PCT/ISA/237		
Applicant . SSA SYSTEM-SPANN AG			_

 This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a). 						
2. This REPORT consists of a total of 10 sheets, including this cover sheet.						
		he International Searching Authority should be read as a reference or I) instead.				
This report contains indications i	relating to the following items	:				
Box No. I	Basis of the report					
Box No. II	Priority					
Box No. III	Non-establishment of opini applicability	ion with regard to novelty, inventive step and industrial				
Box No. IV	Lack of unity of invention					
Box No. V		Article 35(2) with regard to novelty, inventive step or industrial explanations supporting such statement				
Box No. VI	Certain documents cited					
Box No. VII	Certain defects in the intern	national application				
Box No. VIII	Certain observations on the	international application				
4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).						
		Date of issuance of this report 02 March 2006 (02.03.2006)				
The International Bureau of WIPO Authorized officer						
		Agnes Wittmann-Regis				
nile No. +41 22 740 14 35		Telephone No. +41 22 338 89 70				
	This REPORT consists of a total In the attached sheets, any refere to the international preliminary refere to the international Box No. II Box No. II Box No. II Box No. VI Box No. VI Box No. VII Box No. VIII The International Bureau will conot, except where the applicant refere the applicant refere to the international Bureau vill conot, except where the applicant refere to the international Bureau vill conot, except where the applicant refere to the international Bureau vill conot, except where the applicant refere to the international Bureau vill conot, except where the applicant reference village	International Searching Authority under Rule 44 bis.1(a). This REPORT consists of a total of 10 sheets, including this could be international preliminary report on patentability (Chapter This report contains indications relating to the following items Box No. II Basis of the report Box No. II Priority Box No. III Non-establishment of opinitapplicability Box No. IV Lack of unity of invention Box No. VI Certain documents cited Box No. VII Certain defects in the international Bureau will communicate this report to design ot, except where the applicant makes an express request under date (Rule 44bis .2). The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland mile No. +41 22 740 14 35				

PATENT COOPERATION TREATY

From the INTERNATION.	AL SEARCHING AUTHOR	RITY			9).
Го:			WP	PCT	THE THE
				ONAL SEARCHIN	
				(PCT Rule 43bis.1)
			Date of mailing (day/month/year)		
	ent's file reference		FOR FURTHER A	ACTION	
	-S1899-31-ne			See paragraph 2 below	
International app	lication No. 004/003945	International filing date 15.04.2004	(day/month/year)	Priority date (day/mont	·
International Pate	ent Classification (IPC) or bot	h national classification an	d IPC	<u> </u>	
Applicant					
SSA SYS	TEM-SPANN AG				
1. This op	inion contains indications rela	ating to the following item			
	Box No. I Basis of the		.		
	Box No. II Priority				
	Box No. III Non-establi	shment of opinion with re	gard to novelty, inventi	ve step and industrial ap	plicability
	Box No. IV Lack of uni	ty of invention			
1 5		tatement under Rule 43bis y; citations and explanation			r industrial
\boxtimes		uments cited	•		
	Box No. VII Certain defe	ects in the international ap	plication		
	Box No. VIII Ccrtain obs	ervations on the internatio	nal application		
2. FURTI	HER ACTION				
Internati than this	mand for international preli- ional Preliminary Examining s one to be the IPEA and the enational Searching Authority	Authority ("IPEA") except chosen IPEA has notified	t that this does not app the International Bure	ly where the applicant of	chooses an Authority other
written PCT/IS/	pinion is, as provided above, reply together, where approp A/220 or before the expiration	priate, with amendments, n of 22 months from the pr	before the expiration	of 3 months from the	
For furt	her options, see Form PCT/IS	A/220.			
3. For furt	her details, see notes to Form	PCT/ISA/220.			
Name and mailing	g address of the ISA/EP		Authorized officer		
. and mailing	9 accessor the 1979 191		Authorized officer		•
Facsimile No.			Telephone No.		

Box	No. I	Basis of this opinion
1.	With	regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under
	-	Rule 12.3 and 23.1(b)).
2.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ation, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	b.	format of material
		in written format
		in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Addi	tional comments:

Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
	whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially not been examined in respect of:
the	entire international application
Clai	ms Nos. 14,15,19-22
because:	
	said international application, or the said claims Nos.
rela	te to the following subject matter which does not require an international preliminary examination (specify):
	description, claims or drawings (indicate particular elements below) or said claims Nos. so unclear that no meaningful opinion could be formed (specify):
	claims, or said claims Nos are so inadequately supported the description that no meaningful opinion could be formed.
no i	international search report has been established for said claims Nos. 14, 15, 19-22
	nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative ructions in that:
the	written form has not been furnished
the	does not comply with the standard computer readable form has not been furnished does not comply with the standard
	tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the nucleal requirements provided for in Annex C-bis of the Administrative Instructions.
See	Supplemental Box for further details.

Box No	. IV Lack of unity of invention
1.	In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has:
	paid additional fees
	paid additional fees under protest
	not paid additional fees
2.	This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to pay additional fees.
3. TI	his Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is
<u> </u>	complied with
	not complied with for the following reasons:
	See Supplemental Sheet
4. C	onsequently, this opinion has been established in respect of the following parts of the international application:
	all parts
	the parts relating to claims Nos. 1-13, 16-18

International application No.
PCT/EP2004/003945

YES
NO
YES
NO
YES
NO

2. Citations and explanations:

Cited documents:

D1: DE 202 19 340 U1

The subject-matter of the independent claims 1 and 4 is novel and inventive.

D1 (see fig. 1) discloses the closest prior art for claims 1 and 4, wherein a quick-action cylinder has a conical recess (12) which serves for the controlled guidance of the feed nipple. However, this conical recess does not act with conical bevels on the front side of the feed nipple, as is defined in the present claim 1.

A person skilled in the art will not find in the prior art any indication about the inclination of the front side of the feed nipple known from D1 so that the inclined conical bevels interact in the stressed state with a conical recess in the housing of the quick-action cylinder. For this reason, the subject-matter of claim 1 is novel and inventive.

Said person skilled in the art will not find the characterizing features of claim 4 in the prior art either so that its subject-matter is novel and inventive. These inventions are new alternatives to the controlled

Box 1	No. V				under Rul ations sup					, inventive	step or ir	idustrial appli	cability;	
	and	cer	ntrin	g gui	dance	of	a	feed	nipple	into	the	recess	of	
	the	qu:	ick-a	ction	n cyli	nde:	r.							
	Cla	ima	2-3	5_11	and	16-	1 Ω	370	dononde	nt on	al a	im 1 or	Λ	
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x No. VI Certain	documents cited			
Certain published doc	uments (Rule 43bis. 1 and	70.10)		
	lication No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid clai (day/month/year)
EP-1 34	4 599-A	17.09.2003	12.02.2003	11.03.200
	•			
			•	
Non-written disclosure	es (Rule 43 <i>bis</i> .1 and 70.9)		
				te of written disclosure
Kind of no	on-written disclosure	Date of non-written of (day/month/ye	disclosure referrin	g to non-written disclosure (day/month/year)
ee Form 210				

International application No.
PCT/EP2004/003945

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

Box IV

The various inventions are:

1. Claims 1-13, 16-18:

Quick-action cylinder according to the preamble of claim 1, wherein the front side of the feed nipple has conical bevels which interact with an assigned conical recess or conical tip, inclined in the opposite direction, in the housing of the quick-action cylinder.

Achieved object: centring assignment between the feed nipple and the housing of the quick-action cylinder.

2. Claims 14-15:

Quick-action cylinder according to the preamble of claim 1, wherein a capturing device for mechanically coupling the feed nipple to a reciprocating piston is arranged between the feed nipple and said reciprocating piston which is arranged in the interior of the quick-action cylinder.

Achieved object: reliable guidance of the feed nipple through the quick-action cylinder.

3. Claims 19-22:

Quick-action cylinder having a locking means, brought about by spring-loaded balls, of a machine shaft which engages through the housing of the quick-action cylinder. Achieved object: high-precision positioning and securement of a machine shaft.

The common subject-matter of the first and second

International application No.
PCT/EP2004/003945

Supplemental Box

inventions is a quick-action cylinder according to the preamble of claim 1 for the controlled guidance of a feed nipple into the central receiving opening in the housing of the quick-action cylinder. Such a quick-action cylinder is not novel (see, for example, D1) so that the two inventions are not connected by a single common inventive idea.

The common subject-matter of the first and third inventions is a quick-action cylinder for locking a body such as a feed nipple or a shaft. Such a quick-action cylinder is not novel (see, for example, D1) so that the two inventions are not connected by a single common inventive idea.